



# SE100DUZ-HD High-Duty (Metric Units)

## Direct-Drive All-Electric

### CLAMP SPECIFICATIONS

|                                 |        |                          |
|---------------------------------|--------|--------------------------|
| Clamping force                  | tonf   | 100                      |
| Distance between tie-bars       | mm     | 460 x 410                |
| Overall size of platens (H x V) | mm     | 650 x 600                |
| Open daylight (max.)            | mm     | 760                      |
| Mold space (min.-max.)          | mm     | 180 - 410                |
| Opening stroke (max.)           | mm     | 350                      |
| Mold open/close speed (max.)    | mm/sec | 1200                     |
| Locating ring diameter          | Mm     | 101.6                    |
| Ejector pattern                 |        | Center, 178mm (5 points) |
| Ejector stroke                  | mm     | 100                      |
| Ejector force                   | tonf   | 3.3                      |

### INJECTION SPECIFICATIONS

| Plasticizing unit              |                      | C110S                   |      |      | C160S                   |      |      | C250M    |      |      | C360M    |      |      |
|--------------------------------|----------------------|-------------------------|------|------|-------------------------|------|------|----------|------|------|----------|------|------|
| Screw diameter                 | mm                   | 22                      | 25   | 28   | 25                      | 28   | 32   | 28       | 32   | 36   | 32       | 36   | 40   |
| Injection pressure             | kgf/cm <sup>2</sup>  | 2800                    | 2170 | 1780 | 2800                    | 2230 | 1710 | 2900     | 2220 | 1750 | 2790     | 2200 | 1710 |
| Holding pressure               | kgf/cm <sup>2</sup>  | 2800                    | 2170 | 1780 | 2800                    | 2230 | 1710 | 2900     | 2220 | 1750 | 2790     | 2200 | 1710 |
| Injection capacity             | cm <sup>3</sup>      | 40                      | 51   | 64   | 51                      | 64   | 84   | 86       | 113  | 143  | 129      | 163  | 201  |
| Injection weight (GPPS)        | g                    | 38                      | 49   | 61   | 49                      | 61   | 80   | 83       | 108  | 137  | 124      | 156  | 193  |
|                                | oz                   | 1.3                     | 1.7  | 2.2  | 1.7                     | 2.2  | 2.8  | 2.9      | 3.8  | 4.8  | 4.4      | 5.5  | 6.8  |
| Plasticizing capacity (max.)   | kg/hr                | 18                      | 26   | 37   | 26                      | 37   | 53   | 37       | 53   | 76   | 53       | 76   | 101  |
| Injection rate                 | cm <sup>3</sup> /sec | 190                     | 245  | 308  | 196                     | 246  | 322  | 185      | 241  | 305  | 241      | 305  | 377  |
| Screw stroke                   | mm                   | 104                     |      |      | 104                     |      |      | 140      |      |      | 160      |      |      |
| Injection speed (max.)         | mm/sec               | 300                     |      |      |                         |      |      | 150      |      |      |          |      |      |
| Screw speed (rpm)              | rpm                  | 400                     |      |      | 400                     |      |      | 400      |      |      | 400      |      |      |
| Heater capacity (5 Zones)      | KW                   | 3.9                     | 4.3  | 4.8  | 4.3                     | 4.8  | 5.5  | 6.6      | 7.6  | 8.5  | 7.6      | 8.5  | 10.4 |
| Nozzle contact force           | tonf                 | 1200 or 1500 selectable |      |      | 1200 or 1500 selectable |      |      |          |      |      |          |      |      |
| Inj. unit stroke (penetration) | mm                   | 285 (30)                |      |      | 305 (30)                |      |      | 320 (45) |      |      | 320 (45) |      |      |
| Hopper capacity                | liter                | 15                      |      |      | 15                      |      |      | 30       |      |      | 30       |      |      |

### MACHINE SPECIFICATIONS

|                        |      |                    |  |  |                    |  |  |                    |  |  |                    |  |  |
|------------------------|------|--------------------|--|--|--------------------|--|--|--------------------|--|--|--------------------|--|--|
| Main breaker capacity  | amps | 150                |  |  |                    |  |  |                    |  |  |                    |  |  |
| Dimensions (L x W x H) | mm   | 4630 x 1169 x 1791 |  |  | 4630 x 1169 x 1791 |  |  | 4630 x 1169 x 1872 |  |  | 4630 x 1169 x 1872 |  |  |
| Machine weight         | tonf | 3.9                |  |  | 3.9                |  |  | 4.0                |  |  | 4.1                |  |  |

**NOTE:** Specifications subject to change without notice. Machine series photo at top may be different model size.